

Fixed Cables

Without Shielding Signal Cable

Code	Type	Shield	Insulator Material	Sleeve Material	Oil Resistant	Color
ZIE46	Signal Cable	Without Shielding	PVC	PVC	Slight Oil Resistant	Black

Feature

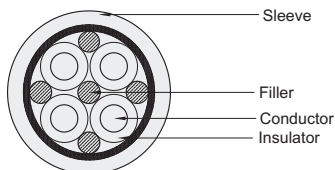
- Flexible data transmission PVC cable, which can transmit analog and digital signals in equipment with a control processor, or as connecting lines between instrument and control equipment.
- CE certification.

Application

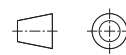
- Suitable for occasions with low power consumption and uninterrupted data transmission, widely used in machinery, instruments, industrial electronic equipment, computers, Information transmission system, suitable for any occasion of two-way communication.



CE



Conductor: multiple pieces of ultra-fine copper wire twisted according to VDE 0295 standard
Stranded structure: twisted
Core wire identification: cross-sectional area $\geq 0.5\text{mm}^2$, one is yellow-green, and the rest are black core wires with white numbers



The first perspective

Part Number Code	Conductor AWG(mm ²)	Number of Cores	Length(m)	Conductor Structure (Root/mm)	Insulator Outer Diameter(mm)	Cable Outer Diameter (mm)
ZIE46	26 (0.14)	2		18/0.1	1.0	3.6
		3				3.8
		4				4.2
		6				4.8
		8				5.2
		10				6.0
		12				6.2
		14				6.5
		16				6.8
		20				7.4
		26				8.2
		30				8.5
		40				9.6
		50				10.8
	24 (0.2)	2		26/0.1	1.1	3.8
		3				4.0
		4				4.5
		5				4.8
		6				5.2
		8				5.5
		10				6.2
		12				6.2
		14				6.8
		16				7.2
		20				8.2
		24				8.8
		26				9.0
		2				4.0
		3				4.2
		4				4.5
	22 (0.3)	5		39/0.1	1.2	5.2
		6				5.5
		7				5.5
		8				6.0
ZIE46	22 (0.3)	9		39/0.1	1.2	6.5
		10				7.0
		12				6.6
		14				7.5
		16				8.0
		18				8.4
		20				8.6
		24				9.6
		26				9.8
		30				10.2
		40				11.2
		50				12.5
		5				6.2
		6				6.6
		7				6.6
	20 (0.5)	8		28/0.15	1.5	7.0
		10				8.4
		12				8.6
		16				9.4
		20				10.0
		24				11.4
		26				11.6
		30				12.0
		5				7.0
		6				7.5
		8				8.2
		10				9.5
		12				9.8
		5				7.3
		6				8.0
		7				8.0
	19(0.75)	8		42/0.15	1.8	10.2
		10				10.8
		12				12.0
		5				8.0
		6				8.0
		7				8.0
		10				10.2
		12				10.8
	17 (1)	16		56/0.15	2.0	13.0
		18				13.0
		20				13.0
		22				13.0

Core Identification

No.	Color	No.	Color	No.	Color	No.	Color	No.	Color
1	Red	11	Red and White	21	Blue and White	31	Purple and White	41	Orange and Brown
2	Black	12	Black and White	22	Green and White	32	Purple and Red	42	Orange and Gray
3	Blue	13	Black and Blue	23	Yellow and White	33	Gray and White	43	Purple and Brown
4	Green	14	Green and Black	24	Orange and White	34	Gray and Red	44	Purple and Gray
5	Yellow	15	Yellow and Black	25	Brown and White	35	Blue and Brown	45	Purple and Blue
6	Orange	16	Orange and Black	26	Red and Blue	36	Blue and Gray	46	Blue and Yellow
7	Brown	17	Brown and Black	27	Green and Red	37	Green and Brown	47	Green and Purple
8	White	18	White and Black	28	Yellow and Red	38	Green and Gray	48	Green and Yellow
9	Purple	19	Purple and Black	29	Orange and Red	39	Yellow and Brown	49	Orange and Purple
10	Grey	20	Gray and Black	30	Brown and Red	40	Yellow and Gray	50	Orange and Blue

Technical Parameters

Drag Chain Movement Service Life	More Than 2 Million Times
Rated Voltage	300V
Insulation Resistance	Minimum is 100M Ohm X Km
Bending Radius	7.5×Cable Outer Diameter
Operating Temperature	-20℃~+80℃
Certification	CE
Flammability Rating	VW-1



Please order as shown

Part Number Code	Conductor AWG(mm ²)	Number of Cores	Length (m)
ZIE46	24(0.2)	2	100(Sell By Roll 100m/Roll)
		3	

ZIE46—24—2—100

Code	Type	Shield	Insulator Material	Sleeve Material	Oil Resistant	Color
ZIE47	Signal Cable	with Shield	PVC	PVC	Slight Oil Resistant	Balck

Feature

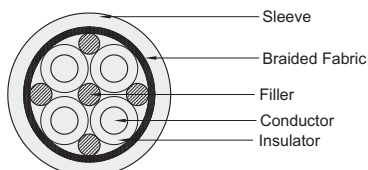
- Flexible data transmission PVC cable, which can transmit analog and digital signals in equipment with a control processor, or as connecting lines between instrument and control equipment.
- CE certification.

Application

- Suitable for occasions with low power consumption and uninterrupted data transmission, widely used in machinery, instruments, industrial electronic equipment, computers, information transmission system, suitable for any occasion of two-way communication.

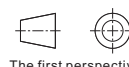


CE



Sell by	Length Per Roll
Roll	100m/Roll

Conductor: multiple pieces of ultra-fine copper wire twisted according to VDE 0295 standard
Stranded structure: twisted



The first perspective

Part Number Code	Conductor AWG(mm²)	Number of Cores	Length(m)	Conductor Structure (Root/mm)	Insulator Outer Diameter(mm)	Cable Outer Diameter (mm)
ZIE47	26 (0.14)	2		18/0.1	1.0	4.0
		3				4.2
		4				4.5
		5				4.8
		6				5.2
		8				5.5
		9				6.0
		10				6.4
		12				6.5
		16				7.2
	24 (0.2)	20		26/0.1	1.1	7.8
		26				8.8
		2				4.4
		3				4.6
		4				4.9
		5				5.2
		6				5.6
		8				6.0
		10				6.8
		12				7.0
		16				7.6
		20				8.5
ZIE47	22 (0.3)	2		39/0.1	1.2	4.6
		3				4.8
		4				5.1
		5				5.5
		6				6.0
		8				6.4
		10				7.2
		12				7.5
		16				8.4
		20				9.0
	20 (0.5)	24		28/0.15	1.5	10.0
		26				10.2
		30				10.0
		6				7.2
		8				7.6
		10				9.8
		12				9.0
		16				10.0
		20				10.8

Core Identification

No.	Color	No.	Color	No.	Color
1	Red	7	Brown	13	Black and Blue
2	Black	8	White	14	Green and Black
3	Blue	9	Purple	15	Yellow and Black
4	Green	10	Grey	16	Orange and Black
5	Yellow	11	Red and White		
6	Orange	12	Black and White		

Technical Parameters

Drag Chain Movement Service Life	More Than 2 Million Times
Rated Voltage	300V
Insulation Resistance	Minimum is 100M Ohm X Km
Bending Radius	7.5×Cable Outer Diameter
Operating Temperature	-20°C~+20°C
Certification	CE
Flammability Rating	VW-1



Part Number Code	Conductor AWG(mm²)	Number of Cores	Length(m)
ZIE47	24(0.2)	2	100(Sell by Roll 100m/Roll)
		3	

ZIE47—24—2—100

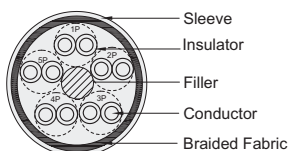
Code	Type	Shield	Insulator Material	Sleeve Material	Oil Resistant	Color
ZIE48	Signal Cable	Double-Twisted Shielded	PVC	PVC	Slight Oil Resistant	Black

Feature

- Flexible data transmission PVC cable, which can transmit analog and digital signals in equipment with a control processor, or as an connecting lines between instrument and control equipment.
- CE certification.

Application

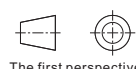
- Suitable for occasions with low power consumption and uninterrupted data transmission, widely used in machinery, instruments, industrial electronic equipment, computers, Information transmission system, suitable for any occasion of two-way communication.



CE

Sell by	Length Per Roll
Roll	100m/Roll

Conductor: multiple pieces of ultra-fine copper wire twisted according to VDE 0295 standard
Stranded structure: twisted



The first perspective

Part Number		Logarithm	Length(m)	Conductor Structure (Piece/mm)	Insulator Outer Diameter(mm)	Cable Outer Diameter (mm)
Code	Conductor AWG(mm ²)					
ZIE48	26 (0.14)	1P	100 (Sell by Roll 100m/Roll)	18/0.10	1	3.9
		2P				5.2
		3P				5.6
		4P				6.5
		5P				6.8
		6P				7.2
		7P				7.6
		8P				8.0
		10P				8.6
		13P				9.5
		1P				4.2
		2P				5.8
	24 (0.2)	3P		26/0.10	1.1	6.0
		4P				6.8
		5P				7.2
		6P				7.6
		7P				8.0
		8P				8.5
		10P				9.2
		1P				4.6
		2P				6.2
		3P				6.6
		4P				7.5
		5P				7.8
	22 (0.3)	7P		39/0.10	1.2	8.8
		8P				9.2
		10P				10.0
		13P				11.0
		2P				7.2
		3P				7.6
	20 (0.5)	4P		38/0.15	1.5	8.6
		3P				7.6

Core Identification

No.	Color	No.	Color	No.	Color
1	Red/Red and White	6	Orange/Orange and Black	11	Blue and White/Blue and Red
2	Blue/Black and Blue	7	Brown/Brown and Black	12	Green and White/Green and Red
3	Black/Black and White	8	White/Black and White	13	Yellow and White/Yellow and Red
4	Green/Green and Black	9	Purple/Purple and Black	14	Orange and White/Orange and Red
5	Yellow/Yellow and Black	10	Grey/Grey and Black	15	Brown and White/Brown and Red

Technical Parameters

Drag Chain Movement Service Life	More Than 2 Million Times
Rated Voltage	300V
Insulation Resistance	Minimum is 100M Ohm X Km
Bending Radius	7.5×Cable Outer Diameter
Operating Temperature	-20°C~ +80°C
Certification	CE
Flammability Rating	VW-1



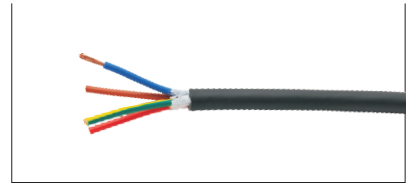
Part Number		Logarithm	Length(m)
Code	Conductor AWG(mm ²)		
ZIE48	26(0.14)	2P	100(Sell by Roll 100m/Roll)
		3P	

ZIE48—26—2P—100

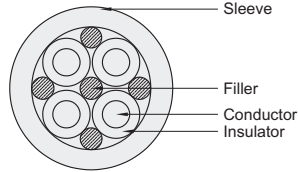
Code	Type	Shield	Insulator Material	Sleeve Material	Oil Resistant	Color
ZIE51	Power Cable	Without Shielding	PVC	PVC	Slight Oil Resistant	Black

Application

- Power cables are mainly used in control and power transmission systems, and are widely used in sensing technology, computer and control equipment and control engineering; cable with three or more cores have yellow and green protective grounding wires;
- CE Certification.



CE



Conductor: multiple pieces of ultra-fine copper wire twisted according to VDE 0295 standard
Stranded structure: twisted
Core identification: 1. Blue, 2. Brown, 3. Yellow/Green, 4. Red, 5. Black



The first perspective

Part Number		Number of Cores	Length(m)	Conductor Structure (Piece/mm)	Insulator Outer Diameter(mm)	Cable Outer Diameter (mm)
Code	Conductor AWG(mm ²)					
ZIE51	20 (0.5)	2		28/0.15	2.0	5.6
		3				6.0
		4				6.5
	19 (0.75)	2		42/0.15	2.2	6.0
		3				6.5
		4				7.2
	17 (1)	2		56/0.15	2.4	6.4
		3				6.9
		4				7.8
	15 (1.5)	2	100 (Sell by Roll 100m/Roll)	84/0.15	2.8	7.5
		3				8.2
		4				9.0
	13(2.5)	5		140/0.15	3.6	9.0
		2				9.0
		3				9.8
	11 (4)	4		224/0.15	4.4	11.0
		5				11.0
		3				12.0
	9 (6)	4		336/0.15	5.0	13.0
		5				14.8
		2				12.2
		3				13.0
		4				14.4
		5				16.5

Technical Parameters

Drag Chain Movement Service Life	More Than 2 Million Times
Rated Voltage	300V
Insulation Resistance	Minimum is 100M Ohm X Km
Bending Radius	7.5×Cable Outer Diameter
Operating Temperature	-20°C~ +80°C
Certification	CE
Flammability Rating	VW-1



Part Number		Number of Cores	Length(m)
Code	Conductor AWG(mm ²)		
ZIE51	20(0.5)	2	100(Sell by Roll 100m/Roll)
		3	

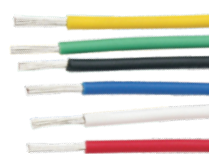
ZIE51 — 20 — 2 — 100

Single Core Wires

RV Single Core Wire

Code	Type	Insulator Material
ZIE57	RV Single Core Wire	PVC

3C

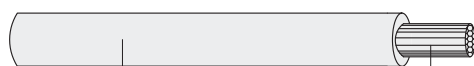


Feature

- It is made of multiple high-purity 4N anaerobic twisted wire, which is soft, anti-bending and swinging, and has a conductivity of 99.99%. It has superconducting properties, reduces resistance and heat generation, and more stable transmission performance.

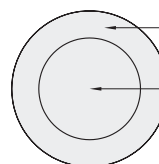
Application

- Suitable for home decoration lighting, switch plug, air-conditioning wiring, equipment control wiring, cabinet electronic equipment and other connections.



PVC Insulator

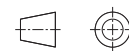
Copper Core Conductor



PVC Insulator

Conductor

RV Copper Core PVC-Insulator Flexible Cable



The first perspective

Sell by	Length Per Roll
Roll	100m/Roll

Part Number		Color	Length(m)	Conductor Structure (Piece/mm)	Insulation Outer Diameter(mm)
Code	Cross-Sectional Area (mm ²)				
ZIE57	0.3			16/0.15	2
	0.5	R(Red) BE(Blue)		28/0.15	2.15
	0.75	BK(Black) LB(Light Blue)		24/0.2	2.35
	1	W(White) Y(Yellow)		32/0.2	2.5
	1.5	GN(Green) O(Orange)	100	30/0.25	3
	2.5	BR(Brown) H(Grey)	(Sell by Roll 100m/Roll)	49/0.25	3.65
	4	YG(Yellow-Green)		56/0.3	4.3
	6			84/0.3	4.9
	10	R(Red) BK(Black)		Single Copper	6.1
	16			Wire ≥ 0.41mm	7.1

Technical Parameters

Rated Voltage	450/750V
Operating Temperature	70°C
Standards Compliant	GB5023.X-2008
Flammability Rating	VW-1Standard



Please order as shown

Part Number		Color	Length(m)
Code	Cross-Sectional Area(mm ²)		
ZIE57	0.75	R(Red)	100
	1	BE(Blue)	(Sell by Roll 100m/Roll)

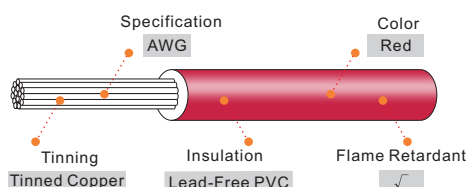
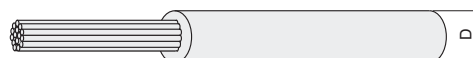
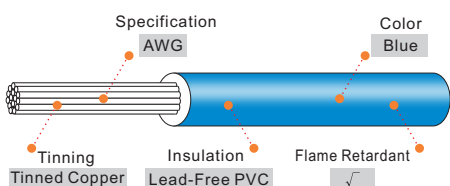
ZIE57-0.75-R-100

Code	Type	Conductor	Insulator Material
ZIF12	American Standard-UL1007	Tinned Copper	Lead-Free PVC
ZIF13	American Standard-UL1005		

Feature

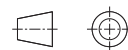
- Using for internal wiring of general electronic and electrical equipment;
- Applied standards: UL758, UL1581 and CSA C22.2 No.210.2;
- Passed UL VW-1 and CAS FT1 vertical fire resistance test.

UL



Sell by

Roll



The first perspective

American Standard-UL1007

Part Number		Color	D Wire Outside Diameter	Conductor Structure (Piece/mm)	Allowable Current (A)	Insulator Thickness (mm)	Maximum Conductor Resistance $\Omega/\text{km}20^{\circ}\text{C}$	Insulation Properties MQ/km Above 20°C	Withstand Voltage V/min	Rated Voltage V	Rated Temperature ($^{\circ}\text{C}$)	Length (m/Roll)
Code	Conductor AWG (mm ²)											
ZIF12	24(0.2)	R(Red) Y(Yellow)	1.43	11/0.16	4		88.9	10	2000	300	80	610 Sold in Rolls
	22(0.3)	BE(Blue) BK(Black)	1.58	17/0.16	5	0.41	57.5					
	20(0.5)	W(White) O(Orange)	1.76	21/0.18	7		34.6					

American Standard-UL1005

Part Number		Color	D Wire Outside Diameter	Conductor Structure (Piece/mm)	Allowable Current (A)	Insulator Thickness (mm)	Maximum Conductor Resistance $\Omega/\text{km}20^{\circ}\text{C}$	Insulation Properties MQ/km Above 20°C	Withstand Voltage V/min	Rated Voltage V	Rated Temperature ($^{\circ}\text{C}$)	Length (m/Roll)
Code	Conductor AWG (mm ²)											
ZIF13	18(0.75)	R(Red) Y(Yellow)	2.76	34/0.18	13		23.2	50	2000	600	105	305 Sold in Rolls
	16(1.25)	BE(Blue) BK(Black)	3.08	26/0.254	18	0.79	14.6					
	14(2.0)	W(White) O(Orange)	3.46	41/0.254	23		8.96					

Current Reduction Factor

Ambient Temperature $^{\circ}\text{C}$	35	40	45	50	55	60	65	70
Current Reduction Factor	0.94	0.89	0.83	0.77	0.7	0.63	0.54	0.44

Explanation of current coefficient: When the ambient temperature is above 30°C , multiply the above current reduction coefficient by the allowable current.



Part Number		
Code	Conductor AWG (mm ²)	Color
ZIF12	24	R(Red)
	22	Y(Yellow)

ZIF12-24-Y